

Design, Create, Demonstrate and Evaluate Using Simple Machines

Task: to design and create your own machine using simple machines. The machine that you create must contain at least one of the following- a lever, inclined plane, wheel and axle, screw, wedge or pulley. Your machine will be made from objects collected at school, at home, and even from the environment!

Maybe it's a crane that lifts an object up, down and around? Maybe it's a machine that moves a load from one place to another? Maybe it's a mouse trap that doesn't hurt the mouse? There are so many possibilities.

What will your machine be!?



Criteria- you must:

Tick once
achieved

- *Design* your machine on A4 paper with a heading, your name, diagrams, labels, measurements, functions etc. ☐
- *Create* a machine using a variety of resources/objects that contains at least one simple machine (lever, inclined plane, wheel and axle, screw, wedge or pulley). ☐
- *Demonstrate* that your machine can perform the function that you want it to perform. ☐
- *Evaluate* the machine you create- what worked well, what could be improved, what would you do the same or differently next time etc. ☐
- Submit your design, creation and evaluation by the due date (TBA) - (demonstration will be done in class). ☐
- HINT- Be creative, be imaginative, be courageous! ☐